

Knights Foundation of Computing and Information Sciences

Summer 2023 Senior Design Project

Auditory Training App

Students: Hubert Cabrera

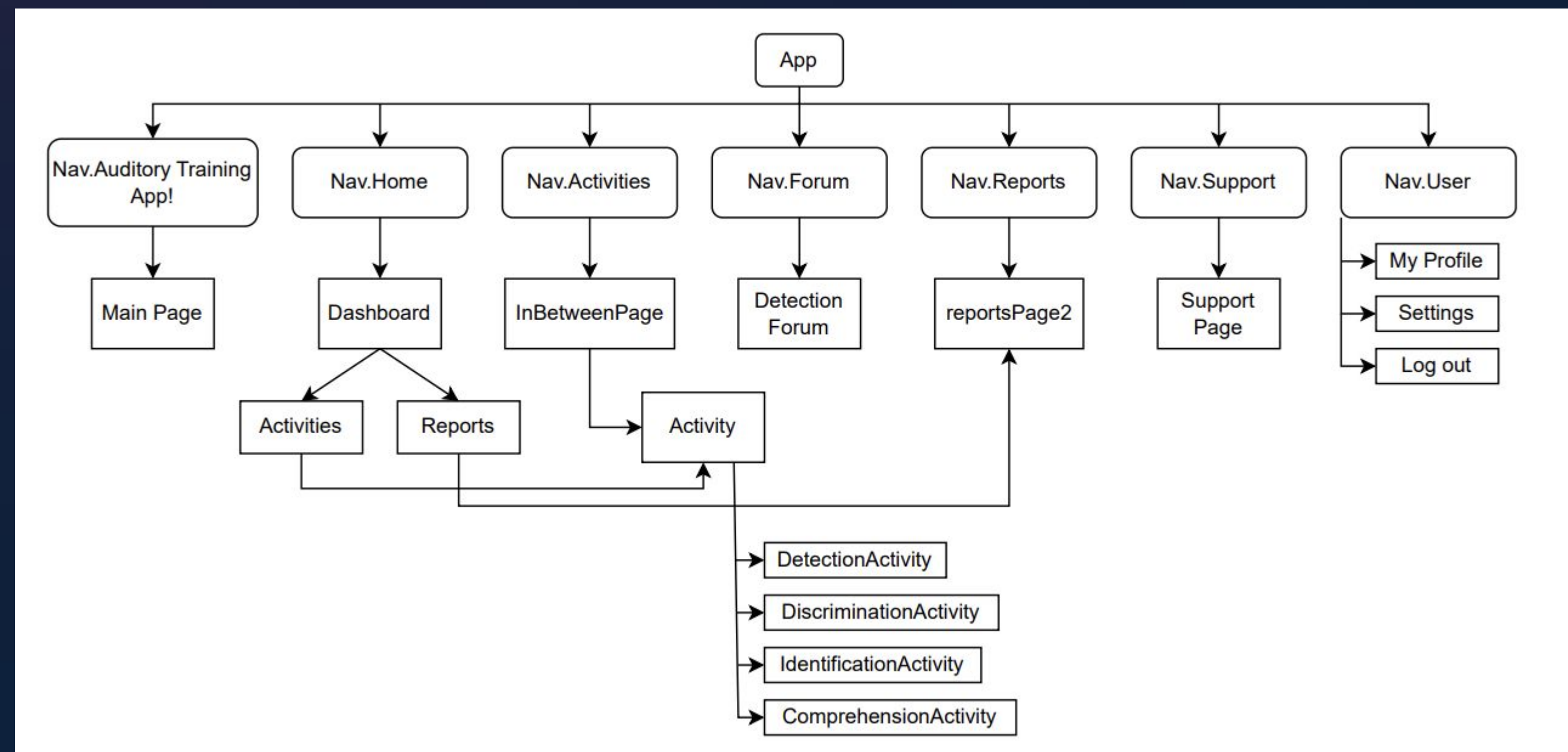
Mentor: **Dr. Alliete Alfano**, Product Owner (if different from Instructor and where applicable)

Instructor/Faculty: **Dr. Masoud Sadjadi**, Florida International University

PROBLEM

This app is oriented to a very specific audience: those with hearing loss. The lack of software which makes the auditory training they must undergo an entertaining experience is something this app intends to decrease. This app has the purpose of providing an interactive platform with lessons for those specific people to train and share with others their progress.

SYSTEM DESIGN



VERIFICATION

Each member of the team worked on their assigned user stories at a steady pace. During meetings, we shared our progress and hurdles with each other. Once the Srum session finished all the changes were merged into the main GitHub version for future developers.

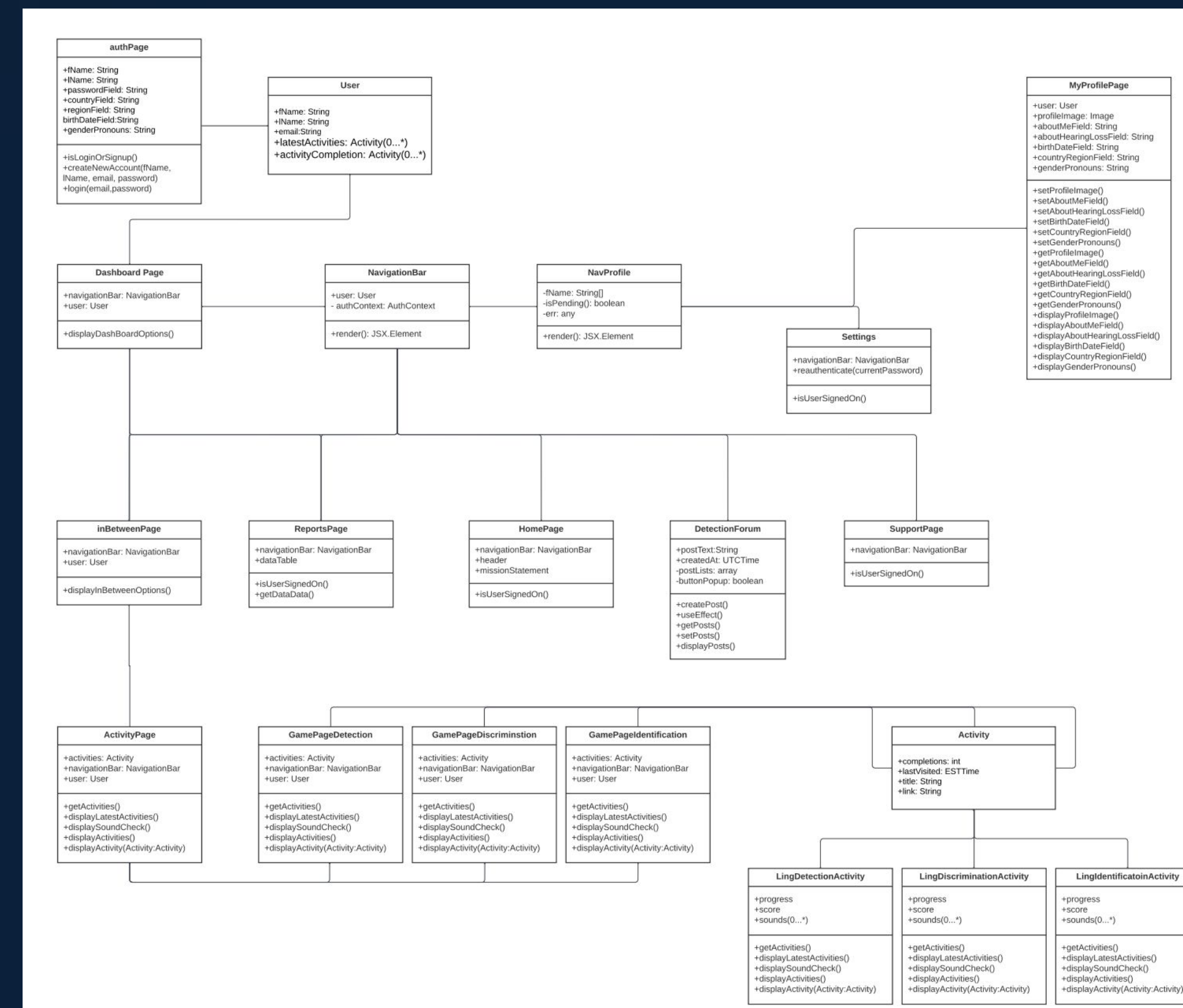
CURRENT SYSTEM

The current system is a continuation of the work of other students in previous semesters. Our team continued their work, but focused specifically on the certain points, such as:

- Incorporating a Support page to facilitate communication with the users
- Improving the reports page by adding more details and redesigning it.
- Front end redesigns.

The goal of this application is still the same: to improve specific user's hearing with interactive games and to encourage interactions between them within the app to share their progress.

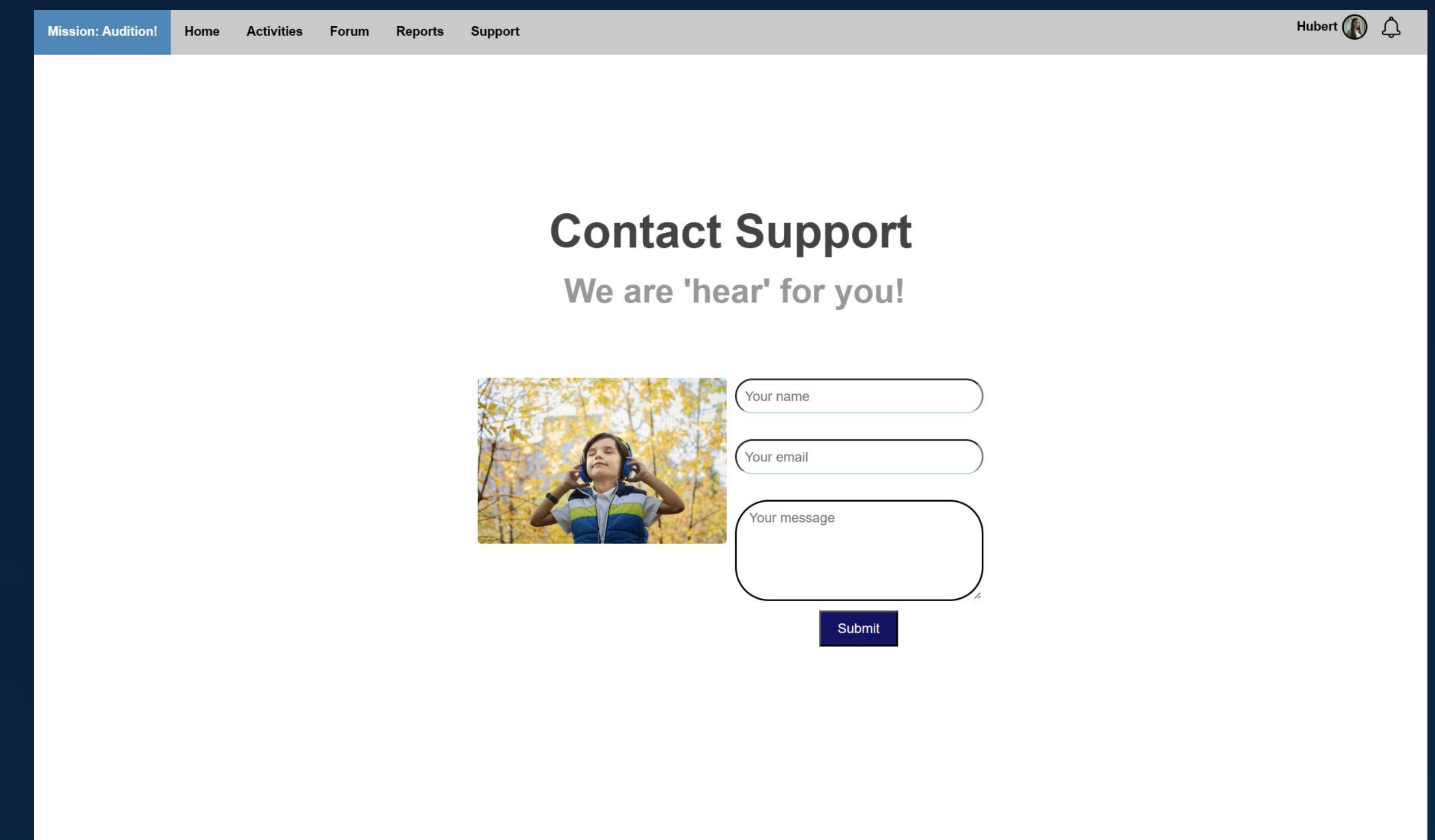
OBJECT DESIGN



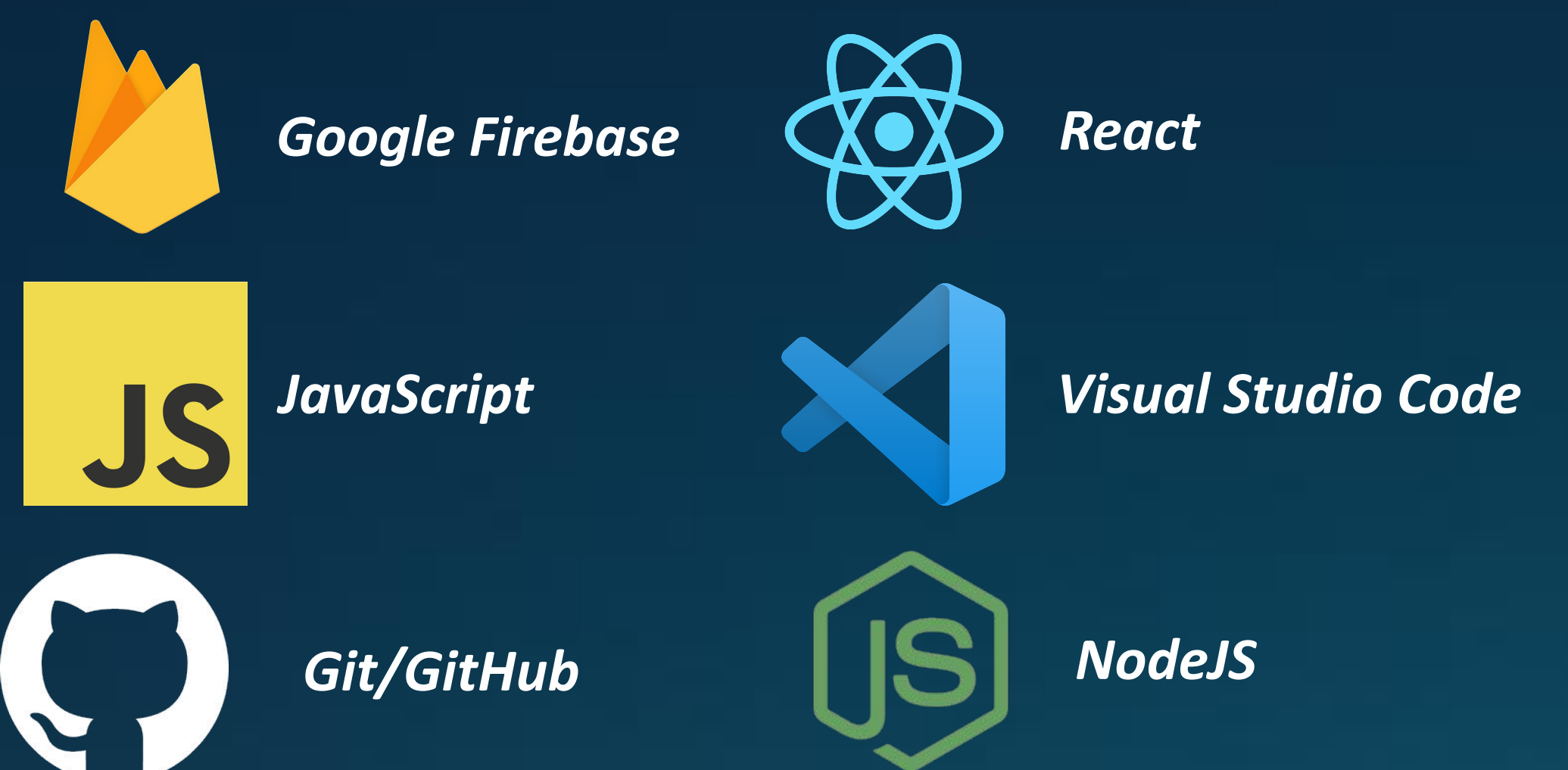
SUMMARY

Even though this was a shorter Scrum model than that of regulat semesters, our team still had the goal of improving the app and that we did. Our work mainly focused on front-end tasks, but minor back-end problems were also solved. Future work should focus on moving from a web-based environment to a mobile app one. They should strive to make this app reach those who need it as early as possible.

REFERENCES



IMPLEMENTATION



ATTENTION: Subheadings shown above is a recommended structure for a research/scientific poster. Main elements of a poster are Introduction, Research and Conclusion. Researchers can customize the section headers based on their projects' needs. REMOVE THIS TEXT ONCE YOU START WORKING ON YOUR POSTER

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by XXXXX (name of the project sponsor: federal, state or local government, or corporate partners, where applicable). We/I thank XXXX for his/her/their assistance and mentorship that I/we received throughout the senior design project.